



California Regional Water Quality Control Board

Santa Ana Region



Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb8>
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Gray Davis
Governor

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption.
For a list of simple ways you can reduce demand and cut your energy costs, see our website at www.swrcb.ca.gov/rwqcb8.*

M60050.002846
MCAS EL TORO
SSIC NO. 5090.3

June 26, 2002

Mr. Dean Gould
BRAC Environmental Coordinator
Base Realignment & Closure, Environmental Div.
P O Box 51718
Irvine, CA 92619 -1718

COMMENTS ON WORK PLAN, AQUIFER TEST, IRP SITE 2, MAGAZINE ROAD LANDFILL, SECTION C, AND EFFLUENT MONITORING SPECIFICATIONS, FORMER U. S. MARINE CORPS AIR STATION, EL TORO

Dear Mr. Gould:

We have completed our review of Appendix C of the above-referenced document, dated March 2002, which we received on April 5, 2002. Based on the information in the work plan, we have the following comments:

Page C-8 last paragraph

We require that the fish toxicity test and the Title 22 metals analysis be conducted on treated groundwater samples, prior to discharge from the system. If the Navy also wishes to run these two tests on influent samples, we have no objection; however our primary interest is the quality of the effluent, and the potential impacts on beneficial uses as a result of this discharge to Borrego Canyon Wash.

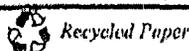
Page C-9 Table C-3: Treatment System Sampling and Monitoring Schedule

We require that influent samples be collected monthly and analyzed for the following constituents: tetrachlorethylene (PCE), trichloroethylene (TCE), 1,1-dichloroethane (1,1-DCA), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethylene (1,1-DCE), 1,2-dichloroethylene (1,2-DCE), 1,4-dioxane, chloroform, perchlorate and selenium.

You will be required to follow the specifications defined in the enclosed effluent monitoring and reporting program.

received
7/2/02

California Environmental Protection Agency



Mr. Gould

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June 26, 2002

If you should have any questions, please call me at (909) 782-4498, or send e-mail to phannon@rb8.swrcb.ca.gov.

Sincerely,



Patricia A. Hannon
SLIC/DoD/AGT Section

Enclosure: Effluent Monitoring and Reporting Program

cc w/ enclosure: Ms. Triss Chesney, Dept. of Toxic Substances Control
Mr. Jerry Werner, RAB Co-Chair MCAS El Toro
Ms. Polin Modanlou, County of Orange
Mr. Gordon Brown, Naval Facility Engineering Command, SWDIV
Ms. Nicole Moutoux, U. S. EPA, Region IX

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EFFLUENT MONITORING AND REPORTING PROGRAM

CONSTITUENT	TYPE OF SAMPLE	UNITS	MINIMUM FREQUENCY OF SAMPLING & ANALYSIS
Flow	-----	GPD	Daily for one week and weekly thereafter
Carbon Tetrachloride	Grab	µg/l	Weekly
Chloroform	"	"	"
Dichlorobromomethane	"	"	"
Tetrachloroethylene (PCE)	"	"	"
Trichloroethylene (TCE)	"	"	"
1,1-Dichloroethane (1,1-DCA)	"	"	"
1,1-Dichloroethylene (1,1-DCE)	"	"	"
1,2-Dichloroethylene (1,2-DCE)	"	"	"
1,1,1-Trichloroethane (1,1,1-TCA)	"	"	"
Perchlorate	"	"	"
Antimony	"	"	"
Arsenic	"	"	"
Barium	"	"	"
Beryllium	"	"	"
Cadmium	"	"	"
Total Chromium	"	"	"
Cobalt	"	"	"
Copper	"	"	"
Lead	Grab	µg/l	Weekly
Molybdenum	"	"	"
Mercury	"	"	"
Nickel	"	"	"
Selenium	"	"	"
Silver	"	"	"
Thallium	"	"	"
Vanadium	"	"	"
Zinc	"	"	"
1,4-Dioxane	"	µg/l	"
Total Dissolved Solids	"	mg/l	Annually
Total Inorganic Nitrogen (TIN)	"	"	Annually
Total Phosphorous	"	"	Annually
Suspended Solids	"	"	Annually
Sulfide	Grab	mg/l	Annually
Hardness	"	"	Annually

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CONSTITUENT	TYPE OF SAMPLE	UNITS	MINIMUM FREQUENCY OF SAMPLING & ANALYSIS
Dioxin 2,3,7,8-TetraCDD	"	µg/l	Annually
Dioxin 1,2,3,7,8-PentaCDD	grab	µg/l	Annually
Dioxin 1,2,3,4,7,8-HexaCDD	"	"	"
Dioxin 1,2,3,6,7,8-HexaCDD	"	"	"
Dioxin 1,2,3,7,8,9-HexaCDD	"	"	"
Dioxin 1,2,3,4,6,7,8-HeptaCDD	"	"	"
Dioxin OctaCDD	"	"	"
Dioxin 2,3,7,8-TetraCDF	"	"	"
Dioxin 1,2,3,7,8-PentaCDF	"	"	"
Dioxin 2,3,4,7,8-PentaCDF	"	"	"
Dioxin 1,2,3,4,7,8-HexaCDF	"	"	"
Dioxin 1,2,3,6,7,8-HexaCDF	"	"	"
Dioxin 1,2,3,7,8,9-HexaCDF	"	"	"
Dioxin 2,3,4,6,7,8-HexaCDF	"	"	"
Dioxin 1,2,3,4,6,7,8-HeptaCDF	"	"	"
Dioxin 1,2,3,4,7,8,9-HeptaCDF	"	"	"
Dioxin OctaCDF	"	"	"
Toxicity Testing	Grab	Pass/Fail	At the initiation of the project and annually thereafter

Monitoring reports shall be submitted by the 30th day of each month following the monitoring period and shall include:

- a. The results of all chemical analyses for the previous month, and annual samples whenever applicable,
- b. The daily flow data,
- c. A summary of the month's activities including a report detailing compliance or noncompliance with the task for the specific schedule date, and
- d. For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

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